

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000090

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: B60R 001/078, 001/072, 001/074

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI and key words MIRROR, EXTERNAL, REAR etc., VEHICLE, CAR etc., EXTEND, RETRACT etc., GEAR

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2003/022635 A1 (SCHEFENACKER VISION SYSTEMS AUSTRALIA PTY LTD) 20 March 2003	14-15, 24
A	Whole document	1
A	US 5864438 A (PACE) 26 January 1999	1, 14, 24
A	Whole document	
A	US 2241866 A (NEEDHAM) 13 May 1941	1, 14, 24
A	Whole document	

☐ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"E" earlier application or patent but published on or after the international filing date

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"O" document referring to an oral disclosure, use, exhibition or other means

"&" document member of the same patent family

"P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search
20 April 2005

Date of mailing of the international search report

27 APR 2005

Name and mailing address of the ISA/AU

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Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III.

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

1. Claims 1-13 are directed to a vehicle external rear view mirror assembly having an extension and retraction mechanism for a pair of telescopic arms that connect a mirror head to a mirror mounting bracket, the assembly involving the features as defined.
2. Claims 14-19 are directed to a vehicle external rear view mirror assembly having an extension and retraction mechanism for a pair of telescopic arms that connect a mirror head to a mirror mounting bracket, the assembly involving the features as defined.
3. Claims 20-23 are directed to a vehicle external rear view mirror assembly having at least one telescopic arm that connects a mirror head to a mirror mounting bracket, the assembly involving the features as defined.
4. Claims 24-25 are directed to a vehicle external rear view mirror assembly having an extension and retraction mechanism for a telescopic arm that connect a mirror head to a mirror mounting bracket, the assembly involving the features as defined.

The independent Claims 1, 14 and 24 share the common features of *a vehicle external rear view mirror assembly having an extension and retraction mechanism for a pair of telescopic arms that connect a mirror head to a mirror mounting bracket, a bracket and a mirror head, a hollow outer arm assembly, an inner arm assembly, a driving wheel, a drive shaft assembly, a drive motor and a gear train*, therefore there is unity between those group of claims.

The only common features between the independent claims 1, 14, 24 and the claim 20 are *a vehicle external rear view mirror assembly, at least one telescopic arm, a bracket and mirror head, a hollow outer arm assembly, an inner arm assembly*. However these features are not novel in the light of the document US 2241866 A (NEEDHAM) 13 May 1941. Consequently the common features are not a special technical feature within the definition of the PCT Rule 13.2 since they do not together make a contribution over the prior art. Therefore the inventions as defined in the above groups of claims lack unity a posteriori.

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Information on patent family members

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars, which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
WO	2003/022635		
US	5864438	CA 2157341	US 5572376
US	2241866		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.			
END OF ANNEX			

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
See Supplemental Box.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-19, 24-25.

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.